

## PUMP STATION NO. 5 MAPLE REPLACEMENT

**PROJECT DESCRIPTION:** This project will rehabilitate the Pump Station #5 located one block southeast of Grundy Park, between Cedar and Maple Avenues. The scope of work will include replacing or upgrading pumps, motors and controls that are approaching the end of their useful life, in a new and functional above-ground enclosure.

**PROJECT NUMBER:** 84109

**PROJECT MANAGER:** Associate Engineer

**PRIORITY FOCUS/MASTER PLAN JUSTIFICATION:** This project is considered the most urgent of all water system capital projects. Pump Station #5 is a key link in the overall water system connecting SFPUC and wellpoint sources to seven of the system's eight storage tanks. Declining efficiency and possible failure of the pumps will adversely affect the City's ability to continuously serve a large number of customers reliably. Pump Station #5 is a critical link in the uphill transmission of water from the lower elevations where purchased water enters the system and well water is produced, to neighborhoods in San Bruno's upper elevations, including a number of new and proposed developments. If this station were to go out of service, it would damage the City's ability to provide potable and fire response water in most neighborhoods in the upper elevations of the City.

**LIFE EXPECTANCY:** 50 years.

**2007- 2008 STATUS:** Completed project design and initiated construction in early 2008.

**2008-2009 WORK PLAN:** Complete construction.

**PROJECTED COMPLETION DATE:** October 2008.

### PROJECT-RELATED APPROPRIATIONS AND EXPENSES:

<b>Funding Source</b>	<b>Previously Funded</b>	<b>Carry-Over Appropriations</b>	<b>2008-09 Request</b>	<b>Future Years</b>	<b>Total Appropriations</b>
Water Capital	2,782,170	2,001,520	0	0	2,782,170
<b>Total</b>	<b>\$2,782,170</b>	<b>\$2,001,520</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,782,170</b>

<b>Line Item Expenditures</b>	<b>Prior Expenses</b>	<b>2007-08 Expenses</b>	<b>2008-09 Proposed</b>	<b>Future Years</b>	<b>Total Expenditures</b>
Design	0	263,988	0	0	229,710
Construction	0	516,662	2,001,520	0	2,552,460
<b>Total</b>	<b>\$0</b>	<b>\$780,650</b>	<b>\$2,001,520</b>	<b>\$0</b>	<b>\$2,782,170</b>

**ONGOING FINANCIAL IMPACT:** Minimal, other than routine maintenance. Reduces maintenance costs, and reduces potential for system interruptions that will require emergency measures, revenue reduction, and restitution of damages to customers.